



MultiTurn 2-Axis CNC Lathes



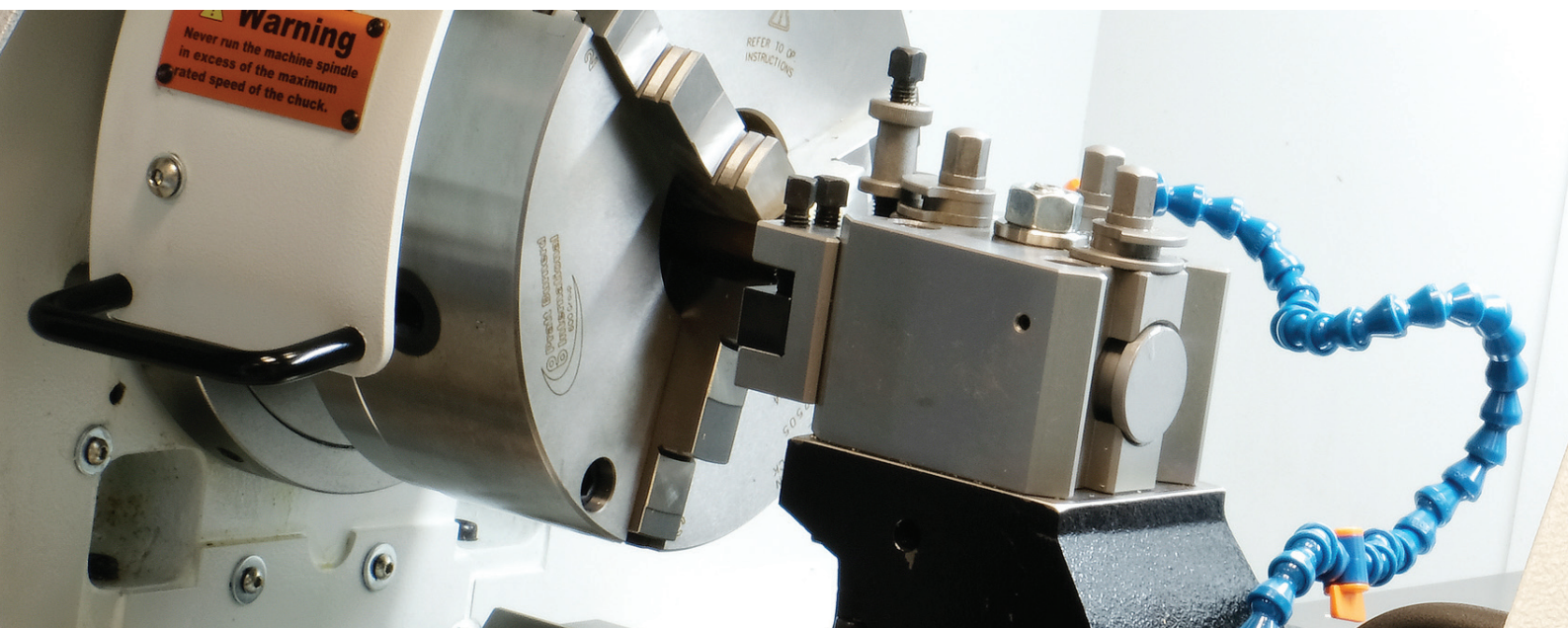
MULTITURN

Colchester MultiTurn

2-Axis CNC Lathes

The new Colchester MultiTurn CNC flatbed lathe now incorporates the hugely powerful and user-friendly Siemens 828D control with Shopturn. An established concept that is the perfect machine for many of today's CNC turning applications.

The flatbed CNC lathe is everything that you come to expect from a Colchester lathe, robust, stable and highly precise – with increased performance at every turn.



MultiTurn Design

The Colchester MultiTurn was designed to meet the demands of the modern production engineer with a full range of compact and solidly built lathes.

The MultiTurn flatbed configuration and bed lengths of up to 6 metres means the Colchester MultiTurn is equally at home with long shafts, billets, bar stock, castings and much, much more.

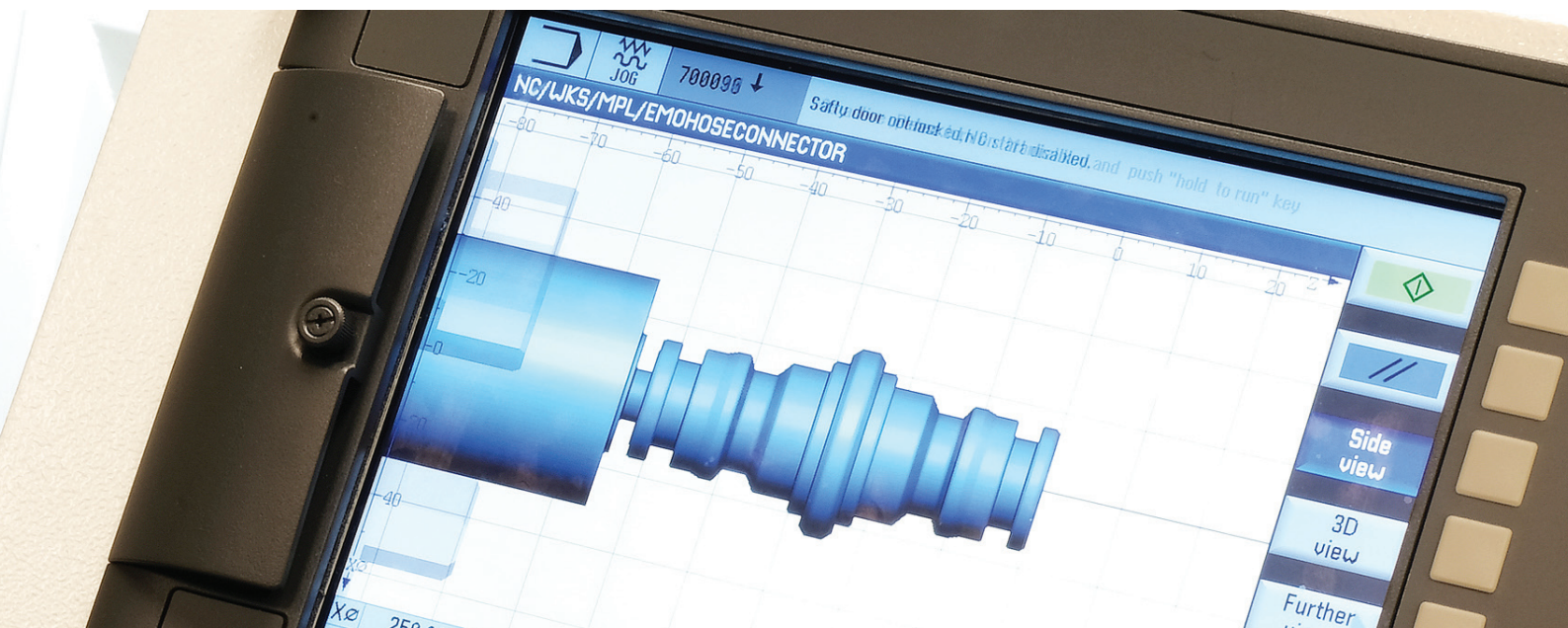
The lathe hardened and ground bedways are robustly manufactured from high performance cast-iron and fully engineered for maximum CNC capability.

The Colchester MultiTurn Siemens 828D Shopturn control has:

- 10.4" color display
- Optimum levels of user friendliness and intuitive operation
- Min. block change time ~ 1 ms (M)
- 512 tools, 1024 cutting edges
- 8 MB user memory

The Colchester MultiTurn is perfect for:

- CNC users looking for increased versatility on one-off and small batch production
- First time CNC buyers and jobbing shops looking for simplicity of programming
- Education and training establishments needing a real lathe with step-by-step simplicity



Standard Equipment

- CE regulated electrically interlocked and fully enclosed machine guarding
- CE regulated electrically interlocked chuck guarding
- Electric coolant system
- Automatic lubrication system
- Machine worklight
- Machine manual and accuracy chart
- 3 Jaw Pratt Burnerd Chuck

Optional Equipment

- Automatic 8 station bi-directional indexing disc turret
- Range of alternative 3 and 4 jaw Pratt Burnerd chucks
- Hydraulically operated 3 Jaw Pratt Burnerd chucks
- Range of fixed and travelling steadies
- Rotating centres
- Tooling systems including various Quick change toolposts

MultiTurn Specifications

| | 1000 | 2000 | 3000 | 4000 | 5000 | 6000 |
|----------------------------|--------------|--------------|--------------|-----------------|--|--|
| Distance between centres | 650mm | 1250mm | 1500mm | 2000 / 3000mm | 1550 / 2000 / 3000 / 4000 / 5000 / 6000mm | |
| Saddle stroke Z-Axis Max | 556mm | 1156mm | 1530mm | 2030 / 3050mm | 1190 / 1700 / 2710 / 3730 / 4730 / 5730 mm | |
| Swing over bed | 350mm | 400mm | 460mm | 554mm | 660mm | 760mm |
| Swing in gap | 535mm | 585mm | 730mm | 830mm | 960mm | 1060mm |
| Gap width from faceplate | 165mm | 165mm | 216mm | 216mm | 300mm | |
| Swing over cross-slide | 196mm | 246mm | 270mm | 370mm | 460mm | 560mm |
| Spindle bore | 42mm | 55mm | 78mm | 104mm | 105mm | 155mm |
| Spindle nose | D1-4 | D1-6 | D1-8 | D1-11 | D1-11 (A2-11) | A2-11 |
| Spindle speeds: Low range | 1 to 366rpm | 1 to 297rpm | 1 to 247rpm | 1 to 224rpm | 26-224rpm | 10-150rpm |
| Medium range | 1 to 1088rpm | 1 to 861rpm | 1 to 740rpm | 1 to 672rpm | 225-670rpm | 151-490rpm |
| High range | 1 to 3500rpm | 1 to 2700rpm | 1 to 2200rpm | 1 to 2000rpm | 670-2000rpm | 491-1400rpm |
| Taper in nose bush | No. 3 MT | No. 4 MT | No. 5 MT | No. 5 MT | No. 8 MT (No. 6 MT) | No. 6 MT |
| Main motor | 7.5kW | 7.5kW | 11kW | 15kW | 18.5kW | |
| Tailstock quill travel | 140mm | 140mm | 145mm | 145mm | 300mm | |
| Tailstock quill diameter | 63mm | 73mm | 95mm | 95mm | 105mm | |
| Tailstock taper | No. 4 MT | No. 5 MT | No. 6 MT | No. 6 MT | No. 6 MT | |
| Electrical supply required | 12kVA | 12kVA | 15kVA | 15kVA | 35kVA | |
| Overall length | 2400mm | 2900mm | 3600mm | 4100 / 5100mm | 4200 / 4700 / 5700 / 6700 / 7700 / 8700mm | |
| Overall width | 1700mm | 1700mm | 2000mm | 2000mm | 2250mm | |
| Overall height | 1500mm | 1500mm | 1750mm | 1750mm | 2260mm | |
| Overall weight (nett) | 1800kg | 2200kg | 3200kg | 3600kg / 4000kg | 4300 / 4800 / 6000 / 7200 / 8400 / 9800kg | 4500 / 5000 / 6200 / 7400 / 8600 / 10000kg |

Control Options

The Colchester MultiTurn has Siemens 828D control with Shopturn fitted as standard. However, Fanuc Oi TF control with Manual Guide i can be fitted upon request.



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